Cytometer Performance Report

Cytometer:	FACSCantoII	User:	BDService
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/11/2022 12:51 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/11/2022 12:47 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124195	-1	1.95	124081	1.97
Blue	F	SSC	125000	123476	-2	3.42	123943	3.34
Blue	E	FITC	13491	13107	-3	2.58	365	13.37
Blue	D	PE	24800	24449	-2	2.05	581	10.25
Blue	B	PerCP-Cy5-5	29447	28324	-4	3.21	809	14.46
Blue	A	PE-Cy7	20440	20426	-1	5.02	433	29.46
Red	C	APC	39505	38477	-3	2.6	1332	11.08
Red	A	APC-Cy7	21254	20685	-3	2.95	595	11.8
Violet	B	V450	7526	7242	-4	3.88	513	11.73
Violet	A	V500	27226	26160	-4	3.34	898	8.56

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23468	3.55	571	2	N/A	N/A	Pass
Blue	F	SSC	55488	2.49	513	1	N/A	N/A	Pass
Blue	E	FITC	54	54.62	481	-2	0.0469	131	Pass
Blue	D	PE	113	37.53	483	-1	0.4672	336	Pass
Blue	B	PerCP-Cy5-5	130	40.73	564	-2	0.0242	92	Pass
Blue	A	PE-Cy7	73	78.49	609	0	0.0277	3	Pass
Red	C	APC	279	25.78	555	-2	0.0369	222	Pass
Red	A	APC-Cy7	111	33.84	530	-2	0.0084	1112	Pass
Violet	B	V450	89	45.04	448	-4	0.0532	1911	Pass
Violet	A	V500	105	31.54	456	-4	0.0265	928	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.00	-31.64	1.13
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	18.05	13.90 - 20.86	N/A	N/A	30.04	30.33	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 13566

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments